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NEWS 3 SEP 09 CA/CAPLUS records now contain indexing from 1907 to the
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NEWS 4 AUG 05 New pricing for EUROPATFULL and PCTFULL effective
August 1, 2003
NEWS 5 AUG 13 Field Availability (/FA) field enhanced in BEILSTEIN
NEWS 6 AUG 18 Data available for download as a PDF in RDISCLOSURE
NEWS 7 AUG 18 Simultaneous left and right truncation added to PASCAL
NEWS 8 AUG 18 FROSTI and KOSMET enhanced with Simultaneous Left and Right
Truncation
NEWS 9 AUG 18 Simultaneous left and right truncation added to ANABSTR
NEWS 10 SEP 22 DIPPR file reloaded
NEWS 11 SEP 25 INPADOC: Legal Status data to be reloaded
NEWS 12 SEP 29 DISSABS now available on STN
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NEWS EXPRESS OCTOBER 01 CURRENT WINDOWS VERSION IS V6.01a, CURRENT
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003
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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 12:27:00 ON 20 OCT 2003

=> file medline, agricola, caba, caplus, biosis, biotechno, uspatfull		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'MEDLINE' ENTERED AT 12:27:07 ON 20 OCT 2003

FILE 'AGRICOLA' ENTERED AT 12:27:07 ON 20 OCT 2003

FILE 'CABA' ENTERED AT 12:27:07 ON 20 OCT 2003

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FILE 'USPATFULL' ENTERED AT 12:27:07 ON 20 OCT 2003
CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

=> s (kinnersley, a? or kinnersley a?)/au
L1 109 (KINNERSLEY, A? OR KINNERSLEY A?)/AU

=> s (turano, f? or turano f?)/au
L2 113 (TURANO, F? OR TURANO F?)/AU

=> s l1 and l2
L3 7 L1 AND L2

=> duplicate remove l3
DUPLICATE PREFERENCE IS 'AGRICOLA, CABA, CAPLUS, USPATFULL'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L3
L4 5 DUPLICATE REMOVE L3 (2 DUPLICATES REMOVED)

=> s l1 or l2
L5 215 L1 OR L2

=> s l5 not l3
L6 208 L5 NOT L3

=> d l4 1-10 ti

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN
TI Sequences of Arabidopsis thaliana benzodiazepine/benzodiazepine-like
receptor protein functioning as ion channels and use for regulating plant
metabolism

L4 ANSWER 2 OF 5 USPATFULL on STN
TI Methods for regulating plant GABA production

L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN
TI Regulation of glutamic acid decarboxylase activity in transgenic plants
for improved .gamma.-aminobutyric acid production and tolerance of plant
stress

L4 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN
TI Ligand-gated ion channel GLR4 from Arabidopsis thaliana and methods of
regulating plant metabolism

L4 ANSWER 5 OF 5 AGRICOLA Compiled and distributed by the National
Agricultural Library of the Department of Agriculture of the United States
of America. It contains copyrighted materials. All rights reserved.
(2003) on STN DUPLICATE 1
TI Gamma aminobutyric acid (GABA) and plant responses to stress.

=> d l4 1-5 bib

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 2003:76554 CAPLUS
 DN 138:148727
 TI Sequences of Arabidopsis thaliana benzodiazepine/benzodiazepine-like
 receptor protein functioning as ion channels and use for regulating plant
 metabolism
 IN **Kinnersley, Alan M.; Turano, Frank J.**
 PA Emerald Bioagriculture Corporation, USA
 SO PCT Int. Appl., 45 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003007886	A2	20030130	WO 2002-US23180	20020719
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,				
	CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,				
	GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,				
	LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,				
	PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,				
	UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,				
	TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,				
	CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,				
	PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,				
	NE, SN, TD, TG				
PRAI	US 2001-306819P	P	20010720		

L4 ANSWER 2 OF 5 USPATFULL on STN
 AN 2003:66608 USPATFULL
 TI Methods for regulating plant GABA production
 IN **Kinnersley, Alan M.**, East Lansing, MI, UNITED STATES
Turano, Frank J., Baltimore, MD, UNITED STATES
 PI US 2003046732 A1 20030306
 AI US 2001-6852 A1 20011107 (10)
 PRAI US 2000-246367P 20001107 (60)
 DT Utility
 FS APPLICATION
 LREP Gregory B. Coy, Woodard, Emhardt, Naughton, Moriarty and McNett, Bank
 One Center/Tower, 111 Monument Circle, Suite 3700, Indianapolis, IN,
 46204-5137
 CLMN Number of Claims: 40
 ECL Exemplary Claim: 1
 DRWN 5 Drawing Page(s)
 LN.CNT 3143
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 2002:368627 CAPLUS
 DN 136:366617
 TI Regulation of glutamic acid decarboxylase activity in transgenic plants
 for improved .gamma.-aminobutyric acid production and tolerance of plant
 stress
 IN **Kinnersley, Alan M.; Turano, Frank J.**
 PA Emerald Bioagriculture Corporation, USA
 SO PCT Int. Appl., 63 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002038736	A2	20020516	WO 2001-US47447	20011107
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,				

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
 GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
 LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
 PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA,
 UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
 BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU 2002026045 A5 20020521 AU 2002-26045 20011107
 US 2003046732 A1 20030306 US 2001-6852 20011107
 PRAI US 2000-246367P P 20001107
 WO 2001-US47447 W 20011107

L4 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 2000:628245 CAPLUS
 DN 133:218535
 TI Ligand-gated ion channel GLR4 from Arabidopsis thaliana and methods of
 regulating plant metabolism
 IN **Kinnersley, Alan M.; Turano, Frank J.**
 PA Auxein Corporation, USA; The United States of America, as Represented by
 the Secretary of Agriculture
 SO PCT Int. Appl., 54 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000052137	A2	20000908	WO 2000-US5407	20000302
	WO 2000052137	A3	20010215		
	W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	AU 2000038630	A5	20000921	AU 2000-38630	20000302
	NZ 514010	A	20010928	NZ 2000-514010	20000302
	EP 1158849	A2	20011205	EP 2000-917697	20000302
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
	JP 2002541780	T2	20021210	JP 2000-602749	20000302
PRAI	US 1999-122506P	P	19990302		
	WO 2000-US5407	W	20000302		

L4 ANSWER 5 OF 5 AGRICOLA Compiled and distributed by the National
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 of America. It contains copyrighted materials. All rights reserved.
 (2003) on STN DUPLICATE 1
 AN 2001:14670 AGRICOLA
 DN IND22293370
 TI Gamma aminobutyric acid (GABA) and plant responses to stress.
 AU **Kinnersley, A.M.; Turano, F.J.**
 AV DNAL (QK1.C83)
 SO Critical reviews in plant sciences, 2000. Vol. 19, No. 6. p. 479-509
 Publisher: Boca Raton, Fla. : CRC Press, [c1983-
 CODEN: CRPSD3; ISSN: 0735-2689
 NTE Includes references
 CY Florida; United States
 DT Article; Law
 FS U.S. Imprints not USDA, Experiment or Extension
 LA English

=> d his

(FILE 'HOME' ENTERED AT 12:27:00 ON 20 OCT 2003)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO, USPATFULL'
ENTERED AT 12:27:07 ON 20 OCT 2003

L1 109 S (KINNERSLEY, A? OR KINNERSLEY A?)/AU
L2 113 S (TURANO, F? OR TURANO F?)/AU
L3 7 S L1 AND L2
L4 5 DUPLICATE REMOVE L3 (2 DUPLICATES REMOVED)
L5 215 S L1 OR L2
L6 208 S L5 NOT L3

=> s l6 and plant

L7 119 L6 AND PLANT

=> s l7 and (gaba OR gad)

L8 21 L7 AND (GABA OR GAD)

=> duplicate remove l8

DUPLICATE PREFERENCE IS 'MEDLINE, CAPLUS, BIOSIS, BIOTECHNO, USPATFULL'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L8

L9 14 DUPLICATE REMOVE L8 (7 DUPLICATES REMOVED)

=> d l9 1-10 ti

L9 ANSWER 1 OF 14 USPATFULL on STN
TI Method to mitigate **plant** stress

L9 ANSWER 2 OF 14 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
TI The putative glutamate receptors from plants are related to two superfamilies of animal neurotransmitter receptors via distinct evolutionary mechanisms.

L9 ANSWER 3 OF 14 MEDLINE on STN DUPLICATE 1
TI Expression of a glutamate decarboxylase homologue is required for normal oxidative stress tolerance in *Saccharomyces cerevisiae*.

L9 ANSWER 4 OF 14 CAPLUS COPYRIGHT 2003 ACS on STN
TI Composition to mitigate **plant** stress

L9 ANSWER 5 OF 14 USPATFULL on STN
TI Methods for regulating **plant** growth

L9 ANSWER 6 OF 14 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
TI Gamma aminobutyric acid (**GABA**) and **plant** responses to stress.

L9 ANSWER 7 OF 14 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 2
TI Receptor modifiers indicate that 4-aminobutyric acid (**GABA**) is a potential modulator of ion transport in plants

L9 ANSWER 8 OF 14 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
TI Physiological evidence for **GABA** receptors in plants.

L9 ANSWER 9 OF 14 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
TI Physiological evidence for **GABA** receptors in plants.

L9 ANSWER 10 OF 14 USPATFULL on STN
TI Method for increasing fertilizer efficiency

=> d 19 1-10 bib

L9 ANSWER 1 OF 14 USPATFULL on STN
AN 2003:74364 USPATFULL
TI Method to mitigate **plant** stress
IN **Kinnersley, Alan M.**, East Lansing, MI, United States
Bauer, Brooks A., Escalon, CA, United States
Crabtree, Kristine L., Okemos, MI, United States
Kinnersley, Cheng-Yuh, East Lansing, MI, United States
McIntyre, John L., Alto, MI, United States
Daniels, Sarah E., Lansing, MI, United States
PA Emerald BioAgriculture Corporation, Lansing, MI, United States (U.S.
corporation)
PI US 6534446 B1 20030318
AI US 1998-166434 19981005 (9)
RLI Continuation-in-part of Ser. No. US 1996-744593, filed on 6 Nov 1996,
now patented, Pat. No. US 5840656 Continuation-in-part of Ser. No. US
1995-511498, filed on 4 Aug 1995, now abandoned Continuation of Ser. No.
US 1995-500391, filed on 10 Jul 1995, now patented, Pat. No. US 5604177
Continuation of Ser. No. US 1994-200218, filed on 23 Feb 1994, now
patented, Pat. No. US 5439873
DT Utility
FS GRANTED
EXNAM Primary Examiner: Clardy, S. Mark
LREP Woodard, Emhardt, Naughton, Moriarty & McNett LLP
CLMN Number of Claims: 67
ECL Exemplary Claim: 1
DRWN 2 Drawing Figure(s); 2 Drawing Page(s)
LN.CNT 1039
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 2 OF 14 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
AN 2001:359156 BIOSIS
DN PREV200100359156
TI The putative glutamate receptors from plants are related to two
superfamilies of animal neurotransmitter receptors via distinct
evolutionary mechanisms.
AU **Turano, Frank J.** [Reprint author]; Panta, Ganesh R.; Allard,
Marc W.; van Berkum, Peter
CS Department of Biological Sciences, George Washington University, 2030 G
Street, NW, Lisner Hall, Room 340, Washington, DC, 20052, USA
fturano@gwu.edu
SO Molecular Biology and Evolution, (July, 2001) Vol. 18, No. 7, pp.
1417-1420. print.
CODEN: MBEVEO. ISSN: 0737-4038.
DT Letter
LA English
ED Entered STN: 2 Aug 2001
Last Updated on STN: 19 Feb 2002

L9 ANSWER 3 OF 14 MEDLINE on STN DUPLICATE 1
AN 2001112646 MEDLINE
DN 20576360 PubMed ID: 11031268
TI Expression of a glutamate decarboxylase homologue is required for normal
oxidative stress tolerance in *Saccharomyces cerevisiae*.
AU Coleman S T; Fang T K; Rovinsky S A; **Turano F J**; Moye-Rowley W S
CS Department of Physiology and Biophysics, University of Iowa, Iowa City,
Iowa 52242, USA.
NC GM49825 (NIGMS)
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (2001 Jan 5) 276 (1) 244-50.
Journal code: 2985121R. ISSN: 0021-9258.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals

EM 200102
ED Entered STN: 20010322
Last Updated on STN: 20010322
Entered Medline: 20010208

L9 ANSWER 4 OF 14 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2000:240872 CAPLUS
DN 132:247448
TI Composition to mitigate **plant** stress
IN **Kinnersley, Alan M.**; Bauer, Brooks A.; Crabtree, Kristine L.;
Kinnersley, Cheng-yuh; McIntyre, John L.; Daniels, Sarah E.
PA Auxein Corporation, USA
SO PCT Int. Appl., 51 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 5

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000019821	A1	20000413	WO 1999-US23101	19991005
	W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	US 6534446	B1	20030318	US 1998-166434	19981005
	CA 2346449	AA	20000413	CA 1999-2346449	19991005
	AU 9965081	A1	20000426	AU 1999-65081	19991005
	AU 764301	B2	20030814		
	EP 1119249	A1	20010801	EP 1999-953052	19991005
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
	JP 2003525202	T2	20030826	JP 2000-573192	19991005
PRAI	US 1998-166434	A	19981005		
	US 1994-200218	A1	19940223		
	US 1995-500391	A1	19950710		
	US 1995-511498	B2	19950804		
	US 1996-744593	A2	19961106		
	WO 1999-US23101	W	19991005		
RE.CNT	2	THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT			

L9 ANSWER 5 OF 14 USPATFULL on STN
AN 2000:84218 USPATFULL
TI Methods for regulating **plant** growth
IN **Kinnersley, Alan M.**, East Lansing, MI, United States
Daniels, Sarah E., Lansing, MI, United States
PA Auxein Corporation, Lansing, MI, United States (U.S. corporation)
PI US 6083877 20000704
AI US 1999-265172 19990309 (9)
PRAI US 1998-77586P 19980310 (60)
DT Utility
FS Granted
EXNAM Primary Examiner: Clardy, S. Mark
LREP Woodard, Emhardt, Naughton Moriarty & McNett
CLMN Number of Claims: 21
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 409
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 6 OF 14 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
AN 2001:27420 BIOSIS
DN PREV200100027420
TI Gamma aminobutyric acid (**GABA**) and **plant** responses to stress.
AU **Kinnersley, Alan M.** [Reprint author]
CS Auxein Corporation, 3125 Sovereign Drive, Suite B, Lansing, MI, 48911-4240, USA
kinnersleya@auxein.com
SO Critical Reviews in Plant Sciences, (November, 2000) Vol. 19, No. 6, pp. 479-509. print.
CODEN: CRPSD3. ISSN: 0735-2689.
DT Article
LA English
ED Entered STN: 10 Jan 2001
Last Updated on STN: 12 Feb 2002

L9 ANSWER 7 OF 14 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 2
AN 2000:813553 CAPLUS
DN 134:113062
TI Receptor modifiers indicate that 4-aminobutyric acid (**GABA**) is a potential modulator of ion transport in plants
AU **Kinnersley, Alan M.**; Lin, Fang
CS Auxein Corporation, Lansing, MI, 48911, USA
SO Plant Growth Regulation (2000), 32(1), 65-76
CODEN: PGRED3; ISSN: 0167-6903
PB Kluwer Academic Publishers
DT Journal
LA English
RE.CNT 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 8 OF 14 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
AN 2003:155916 BIOSIS
DN PREV200300155916
TI Physiological evidence for **GABA** receptors in plants.
AU **Kinnersley, Alan M.** [Reprint Author]
CS Auxein Corporation, Lansing, MI, USA
kinnersleya@auxein.com
SO Plant Biology (Rockville), (1999) Vol. 1999, pp. 153. print.
Meeting Info.: Annual Meeting of the American Society of Plant Physiologists. Baltimore, Maryland, USA. July 24-28, 1999. American Society of Plant Physiologists (ASPP).
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LA English
ED Entered STN: 26 Mar 2003
Last Updated on STN: 26 Mar 2003

L9 ANSWER 9 OF 14 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
AN 2003:131673 BIOSIS
DN PREV200300131673
TI Physiological evidence for **GABA** receptors in plants.
AU **Kinnersley, Alan M.** [Reprint Author]
CS Auxein Corporation, Lansing, MI, USA
kinnersleya@auxein.com
SO Plant Biology (Rockville), (1999) Vol. 1999, pp. 9. print.
Meeting Info.: Annual Meeting of the American Society of Plant Physiologists. Baltimore, Maryland, USA. July 24-28, 1999. American Society of Plant Physiologists (ASPP).
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LA English
ED Entered STN: 12 Mar 2003
Last Updated on STN: 9 May 2003

L9 ANSWER 10 OF 14 USPATFULL on STN
AN 1998:147375 USPATFULL
TI Method for increasing fertilizer efficiency
IN **Kinnersley, Alan M.**, E. Lansing, MI, United States
Coleman, Robert D., Okemos, MI, United States
Kinnersley, Cheng-Yuh, E. Lansing, MI, United States
McIntyre, John L., Alto, MI, United States
PA Auxein Corporation, Lansing, MI, United States (U.S. corporation)
PI US 5840656 19981124
AI US 1996-744593 19961106 (8)
RLI Continuation-in-part of Ser. No. US 1995-511498, filed on 4 Aug 1995,
now abandoned which is a continuation of Ser. No. US 1994-200218, filed
on 23 Feb 1994, now patented, Pat. No. US 5439873
DT Utility
FS Granted
EXNAM Primary Examiner: Clardy, S. Mark
LREP Woodard, Emhardt, Naughton Moriarty & McNett
CLMN Number of Claims: 19
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1034
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 19 11-14 ti

L9 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2003 ACS on STN
TI Characterization of two glutamate decarboxylase cDNA clones from
Arabidopsis

L9 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2003 ACS on STN
TI Bioactivity of Auxigro **plant** metabolic primer, a formulation
containing **GABA** and glutamic acid

L9 ANSWER 13 OF 14 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
DUPLICATE 3
TI Method for stimulating **plant** growth using **gaba** and
succinic acid.

L9 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 4
TI Stimulating **plant** growth using **GABA**.

=> d 19 11-14 bib

L9 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1998:552987 CAPLUS
DN 129:255813
TI Characterization of two glutamate decarboxylase cDNA clones from
Arabidopsis
AU **Turano, Frank J.**; Fang, Tung K.
CS Agricultural Research Service, Climate Stress Laboratory, United States
Department of Agriculture, Beltsville, MD, 20705, USA
SO Plant Physiology (1998), 117(4), 1411-1421
CODEN: PLPHAY; ISSN: 0032-0889
PB American Society of Plant Physiologists
DT Journal
LA English
RE.CNT 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1999:252494 CAPLUS
DN 130:321808

TI Bioactivity of AuxiGro **plant** metabolic primer, a formulation
 containing **GABA** and glutamic acid
 AU **Kinnersley, Alan M.**
 CS Auxein Corporation, USA
 SO Proceedings of the Plant Growth Regulator Society of America (1998), 25th,
 89-94
 CODEN: PPGRDG; ISSN: 0731-1664
 PB Plant Growth Regulator Society of America
 DT Journal; General Review
 LA English
 RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 13 OF 14 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 DUPLICATE 3
 AN 2002:61690 BIOSIS
 DN PREV200200061690
 TI Method for stimulating **plant** growth using **gaba** and
 succinic acid.
 AU **Kinnersley, A.** [Inventor]; Coleman, R. [Inventor]; Tolbert, E.
 [Inventor]
 CS East Lansing, Mich., USA
 ASSIGNEE: COMPUTATIONAL SYSTEMS, INC.
 PI US 5604177 Feb. 18, 1997
 SO Official Gazette of the United States Patent and Trademark Office Patents,
 (Feb. 18, 1997) Vol. 1195, No. 3, pp. 1931. print.
 CODEN: OGUPE7. ISSN: 0098-1133.
 DT Patent
 LA English
 ED Entered STN: 9 Jan 2002
 Last Updated on STN: 25 Feb 2002

L9 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 4
 AN 1995:792995 CAPLUS
 DN 123:249197
 TI Stimulating **plant** growth using **GABA**.
 IN **Kinnersley, Alan**
 PA Plant Growth Development Corp., USA
 SO U.S., 5 pp.
 CODEN: USXXAM
 DT Patent
 LA English
 FAN.CNT 5

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5439873	A	19950808	US 1994-200218	19940223
	CA 2183887	AA	19950831	CA 1995-2183887	19950221
	WO 9522900	A1	19950831	WO 1995-US2189	19950221
	W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TJ, TT, UA, UZ RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	AU 9519263	A1	19950911	AU 1995-19263	19950221
	AU 681950	B2	19970911		
	EP 746203	A1	19961211	EP 1995-911852	19950221
	EP 746203	B1	20020605		
	R: BE, CH, DE, ES, FR, GB, GR, IT, LI, NL, PT				
	JP 10504797	T2	19980512	JP 1995-522425	19950221
	ES 2173952	T3	20021101	ES 1995-911852	19950221
	US 5604177	A	19970218	US 1995-500391	19950710
	US 5840656	A	19981124	US 1996-744593	19961106
	US 6534446	B1	20030318	US 1998-166434	19981005

```

PRAI US 1994-200218      A      19940223
      WO 1995-US2189      W      19950221
      US 1995-500391      A1     19950710
      US 1995-511498      B2     19950804
      US 1996-744593      A2     19961106

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=> d his

(FILE 'HOME' ENTERED AT 12:27:00 ON 20 OCT 2003)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO, USPATFULL'
ENTERED AT 12:27:07 ON 20 OCT 2003

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L1      109 S (KINNERSLEY, A? OR KINNERSLEY A?)/AU
L2      113 S (TURANO, F? OR TURANO F?)/AU
L3      7 S L1 AND L2
L4      5 DUPLICATE REMOVE L3 (2 DUPLICATES REMOVED)
L5      215 S L1 OR L2
L6      208 S L5 NOT L3
L7      119 S L6 AND PLANT
L8      21 S L7 AND (GABA OR GAD)
L9      14 DUPLICATE REMOVE L8 (7 DUPLICATES REMOVED)

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=> s plant and transgenic and (gaba OR gad)

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L10      412 PLANT AND TRANSGENIC AND (GABA OR GAD)
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=> s l10 not l5

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L11      408 L10 NOT L5
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=> s l11 and glutamic(w)acid(w)decarboxylase

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L12      32 L11 AND GLUTAMIC(W) ACID(W) DECARBOXYLASE
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=> duplicate remove l12

DUPLICATE PREFERENCE IS 'MEDLINE, CAPLUS, BIOSIS, BIOTECHNO, USPATFULL'

KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n

PROCESSING COMPLETED FOR L12

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L13      27 DUPLICATE REMOVE L12 (5 DUPLICATES REMOVED)
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=> d l13 1-10 ti

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L13      ANSWER 1 OF 27  CAPLUS  COPYRIGHT 2003 ACS on STN DUPLICATE 1
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```
TI      Transgenic plants expressing cytokines and autoantigens and uses for
treating inflammatory diseases
```

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L13      ANSWER 2 OF 27  USPATFULL on STN
```

```
TI      Peptides and peptide analogues designed from a diabetes-associated
autoantigen, and methods for their use in the treatment and prevention
of diabetes
```

```
L13      ANSWER 3 OF 27  USPATFULL on STN
```

```
TI      Innate immune system-directed vaccines
```

```
L13      ANSWER 4 OF 27  USPATFULL on STN
```

```
TI      Modulating neuronal outgrowth via the major histocompatibility complex
Class I (MHC I) molecule
```

```
L13      ANSWER 5 OF 27  USPATFULL on STN
```

```
TI      Peptide extended glycosylated polypeptides
```

```
L13      ANSWER 6 OF 27  USPATFULL on STN
```

```
TI      Method of enhancing T cell immunity by selection of antigen specific T
cells
```

```
L13      ANSWER 7 OF 27  USPATFULL on STN
```

```
TI      Peptide epitopes recognized by disease promoting CD4+ T lymphocytes
```

L13 ANSWER 8 OF 27 USPATFULL on STN
TI GNK interacting amino acid decarboxylase and methods of use thereof

L13 ANSWER 9 OF 27 USPATFULL on STN
TI Recombinant vaccinia virus incorporated with gene coding
glutamic acid decarboxylase and vaccine for
preventing type 1 diabetes mellitus comprising the same

L13 ANSWER 10 OF 27 USPATFULL on STN
TI Production of gabaergic cells

=> s l13 and transgenic(w)plan?
5 FILES SEARCHED...

L14 13 L13 AND TRANSGENIC(W) PLAN?

=> d l14 1-10 ti

L14 ANSWER 1 OF 13 MEDLINE on STN
TI **Transgenic plants** expressing autoantigens fed to mice
to induce oral immune tolerance.

L14 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN
TI Transgenic plants expressing cytokines and autoantigens and uses for
treating inflammatory diseases

L14 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN
TI Suppression of autoimmune diabetes by the use of **transgenic
plants** expressing autoantigens to induce oral tolerance

L14 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN
TI **Plant**-based edible vaccines expressing cholera toxin B
subunit-autoantigen fusions for preventing and treating autoimmune disease

L14 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN
TI Autoantigens produced in plants for oral tolerance therapy of autoimmune
diseases

L14 ANSWER 6 OF 13 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
TI Use of **plant** derived autoantigen **glutamic acid
decarboxylase** (GAD-67) to alter immune response in NOD
mice model.

L14 ANSWER 7 OF 13 USPATFULL on STN
TI Innate immune system-directed vaccines

L14 ANSWER 8 OF 13 USPATFULL on STN
TI Peptide extended glycosylated polypeptides

L14 ANSWER 9 OF 13 USPATFULL on STN
TI GNK interacting amino acid decarboxylase and methods of use thereof

L14 ANSWER 10 OF 13 USPATFULL on STN
TI Recombinant vaccinia virus incorporated with gene coding
glutamic acid decarboxylase and vaccine for
preventing type 1 diabetes mellitus comprising the same

=> d l14 1-6 bib

L14 ANSWER 1 OF 13 MEDLINE on STN
AN 97355629 MEDLINE
DN 97355629 PubMed ID: 9212110
TI **Transgenic plants** expressing autoantigens fed to mice

to induce oral immune tolerance.
 AU Ma S W; Zhao D L; Yin Z Q; Mukherjee R; Singh B; Qin H Y; Stiller C R;
 Jevnikar A M
 CS Transplantation Immunobiology Group, John P. Robarts Research Institute,
 University of Western Ontario, London, Canada.
 SO NATURE MEDICINE, (1997 Jul) 3 (7) 793-6.
 Journal code: 9502015. ISSN: 1078-8956.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199708
 ED Entered STN: 19970813
 Last Updated on STN: 19970813
 Entered Medline: 19970804

L14 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 2003:551249 CAPLUS
 DN 139:112732
 TI Transgenic plants expressing cytokines and autoantigens and uses for
 treating inflammatory diseases
 IN Brandle, Jim; Ma, Shengwu; Menassa, Rima; Jevnikar, Anthony; Delovitch,
 Terry
 PA The Minister of Agriculture & Agri-Food Canada, London Health Sciences
 Center, Can.
 SO U.S. Pat. Appl. Publ., 48 pp., Cont.-in-part of U.S. Ser. No. 773,385.
 CODEN: USXXCO
 DT Patent
 LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	US 2003135887	A1	20030717	US 2002-137647	20020503
	US 2002038470	A1	20020328	US 2001-773385	20010201
PRAI	US 1996-733791	B2	19961018		
	US 1998-102050	B1	19980622		
	US 2001-773385	A2	20010201		

L14 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 2003:279084 CAPLUS
 DN 138:352347
 TI Suppression of autoimmune diabetes by the use of **transgenic**
plants expressing autoantigens to induce oral tolerance
 AU Ma, S.; Jevnikar, A. M.
 CS Lawson Health Research Institute, Robarts Research Institute, Multi Organ
 Transplant Program, London Health Sciences Centre and the University of
 Western Ontario, London, ON, Can.
 SO Molecular Farming of Plants and Animals for Human and Veterinary Medicine
 (2002), 179-196. Editor(s): Erickson, L. Publisher: Kluwer Academic
 Publishers, Dordrecht, Neth.
 CODEN: 69DSQK; ISBN: 1-4020-0835-X
 DT Conference; General Review
 LA English

RE.CNT 58 THERE ARE 58 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 1999:691201 CAPLUS
 DN 131:295582
 TI **Plant**-based edible vaccines expressing cholera toxin B
 subunit-autoantigen fusions for preventing and treating autoimmune disease
 IN Langridge, William H. R.; Arakawa, Takeshi
 PA Loma Linda University, USA
 SO PCT Int. Appl., 87 pp.
 CODEN: PIXXD2

DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	WO 9954452	A1	19991028	WO 1999-US8857	19990421
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	ZA 9809685	A	20000329	ZA 1998-9685	19981023
	CA 2326373	AA	19991028	CA 1999-2326373	19990421
	AU 9937574	A1	19991108	AU 1999-37574	19990421
	AU 750623	B2	20020725		
	EP 1076694	A1	20010221	EP 1999-919980	19990421
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
	US 2002055618	A1	20020509	US 1999-296981	19990422
PRAI	US 1998-82688P	P	19980422		
	WO 1999-US8857	W	19990421		

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1999:593013 CAPLUS
DN 131:321171
TI Autoantigens produced in plants for oral tolerance therapy of autoimmune diseases
AU Ma, Shengwu; Jevnikar, A. M.
CS John P. Roberts Research Institute and Siebens-Drake Research Institute, University of Western Ontario, London, ON, N6G 2V4, Can.
SO Advances in Experimental Medicine and Biology (1999), 464 (Chemicals via Higher Plant Bioengineering), 179-194
CODEN: AEMBAP; ISSN: 0065-2598
PB Kluwer Academic/Plenum Publishers
DT Journal; General Review
LA English

RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 6 OF 13 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
AN 1996:357923 BIOSIS
DN PREV199699080279
TI Use of **plant** derived autoantigen **glutamic acid decarboxylase** (GAD-67) to alter immune response in NOD mice model.
AU Ma, S.-W. [Reprint author]; Zhao, D.-L. [Reprint author]; Mukherjee, R. [Reprint author]; Singh, B. [Reprint author]; Qin, H.-Y.; Stiller, C. R. [Reprint author]; Jevnikar, A. M. [Reprint author]
CS Transplantation Immunol. Group, John P. Roberts Res. Inst., London, ON, Canada
SO Plant Physiology (Rockville), (1996) Vol. 111, No. 2 SUPPL., pp. 57.
Meeting Info.: Annual Meeting of the American Society of Plant Physiologists. San Antonio, Texas, USA. July 27-31, 1996.
CODEN: PLPHAY. ISSN: 0032-0889.
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LA English
ED Entered STN: 5 Aug 1996
Last Updated on STN: 6 Aug 1996

=> d 114 11-13 ti

L14 ANSWER 11 OF 13 USPATFULL on STN
TI Methods and products for controlling the immune responses in mammals

L14 ANSWER 12 OF 13 USPATFULL on STN
TI METHODS AND SUBSTANCES FOR PREVENTING AND TREATING AUTOIMMUNE DISEASE

L14 ANSWER 13 OF 13 USPATFULL on STN
TI Methods and products for controlling the immune response of a mammal to
glutamic acid decarboxylase

=> d 114 11-13 bib

L14 ANSWER 11 OF 13 USPATFULL on STN
AN 2002:171624 USPATFULL
TI Methods and products for controlling the immune responses in mammals
IN Jevnikar, Anthony M., London, CANADA
Ma, Shengwu, London, CANADA
Stilller, Calvin R., Arva, CANADA
PI US 2002090371 A1 20020711
AI US 2001-5073 A1 20011207 (10)
RLI Division of Ser. No. US 1996-617874, filed on 21 May 1996, PATENTED A
371 of International Ser. No. WO 1994-CA530, filed on 21 Sep 1994,
UNKNOWN
PRAI GB 1993-19429 19930921
DT Utility
FS APPLICATION
LREP Teresa Stanek Rea, BURNS, DOANE, SWECKER & MATHIS, L.L.P., P.O. Box
1404, Alexandria, VA, 22313-1404
CLMN Number of Claims: 25
ECL Exemplary Claim: 1
DRWN 13 Drawing Page(s)
LN.CNT 900
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 12 OF 13 USPATFULL on STN
AN 2002:106407 USPATFULL
TI METHODS AND SUBSTANCES FOR PREVENTING AND TREATING AUTOIMMUNE DISEASE
IN LANGRIDGE, WILLIAM H.R., LOMA LINDA, CA, UNITED STATES
ARAKAWA, TAKESHI, OKINAWA, JAPAN
PI US 2002055618 A1 20020509
AI US 1999-296981 A1 19990422 (9)
PRAI US 1998-82688P 19980422 (60)
DT Utility
FS APPLICATION
LREP Sheldon & Mak, 225 South Lake Avenue, Suite 900, Pasadena, CA, 91101
CLMN Number of Claims: 30
ECL Exemplary Claim: 1
DRWN 12 Drawing Page(s)
LN.CNT 2684
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 13 OF 13 USPATFULL on STN
AN 2002:9649 USPATFULL
TI Methods and products for controlling the immune response of a mammal to
glutamic acid decarboxylase
IN Jevnikar, Anthony M., London, CANADA
Ma, Shengwu, London, CANADA
Stilller, Calvin R., London, CANADA
PA London Health Sciences Centre, Ontario, CANADA (non-U.S. corporation)
PI US 6338850 B1 20020115

WO 9508347 19950330
 AI US 1996-617874 19960521 (8)
 WO 1994-CA530 19940921
 19960521 PCT 371 date
 PRAI GB 1993-19429 19930921
 DT Utility
 FS GRANTED
 EXNAM Primary Examiner: Chan, Christina Y.; Assistant Examiner: Ewoldt, Gerald R.
 LREP Burns, Doane, Swecker & Mathis, L.L.P.
 CLMN Number of Claims: 17
 ECL Exemplary Claim: 1
 DRWN 15 Drawing Figure(s); 13 Drawing Page(s)
 LN.CNT 902
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

(FILE 'HOME' ENTERED AT 12:27:00 ON 20 OCT 2003)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO, USPATFULL'
 ENTERED AT 12:27:07 ON 20 OCT 2003

L1 109 S (KINNERSLEY, A? OR KINNERSLEY A?)/AU
 L2 113 S (TURANO, F? OR TURANO F?)/AU
 L3 7 S L1 AND L2
 L4 5 DUPLICATE REMOVE L3 (2 DUPLICATES REMOVED)
 L5 215 S L1 OR L2
 L6 208 S L5 NOT L3
 L7 119 S L6 AND PLANT
 L8 21 S L7 AND (GABA OR GAD)
 L9 14 DUPLICATE REMOVE L8 (7 DUPLICATES REMOVED)
 L10 412 S PLANT AND TRANSGENIC AND (GABA OR GAD)
 L11 408 S L10 NOT L5
 L12 32 S L11 AND GLUTAMIC(W)ACID(W)DECARBOXYLASE
 L13 27 DUPLICATE REMOVE L12 (5 DUPLICATES REMOVED)
 L14 13 S L13 AND TRANSGENIC(W)PLAN?

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ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	71.58	71.79

STN INTERNATIONAL LOGOFF AT 12:36:08 ON 20 OCT 2003